

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L11	40	(US-20070019831-\$ or US-20070165878-\$ or US-20060182298-\$ or US-20030219137-\$ or US-20070076905-\$ or US-20020072816-\$ or US-20040022409-\$ or US-20040240697-\$ or US-20060153407-\$ or US-20050271230-\$ or US-20060050897-\$). did. or (US-7254239-\$ or US-7215788-\$ or US-6181796-\$ or US-5537479-\$ or US-5526456-\$ or US-5233664-\$ or US-7181033-\$ or US-6751325-\$ or US-5953432-\$ or US-5684879-\$ or US-5661808-\$ or US-5657391-\$ or US-6498852-\$ or US-5666424-\$ or US-5930373-\$ or US-4118601-\$ or US-3772479-\$ or US-6954666-\$ or US-6942248-\$ or US-6850623-\$ or US-7191022-\$ or US-5675655-\$ or US-5793875-\$ or US-4378468-\$ or US-5109419-\$). did. or (JP-2001346297-\$ or JP-2001025084-\$ or JP-2000184488-\$ or JP-2003230071-\$). did. or (WO-200123104-\$). did.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2009/06/03 18:25
L12	18	11 and (delay same direct\$6)	US-PGPUB; USPAT	OR	OFF	2009/06/03 18:25
L13	1	"20010016047"	US-PGPUB; USPAT	OR	OFF	2009/06/03 19:02
L14	1	"20060050897"	US-PGPUB; USPAT	OR	OFF	2009/06/03 19:03

L15	1	"20050271230"	US-PGPUB; USPAT	OR	OFF	2009/06/03 19:03
L16	20	"5109419"	US-PGPUB; USPAT	OR	OFF	2009/06/03 19:03
L17	11	"4984273"	US-PGPUB; USPAT	OR	OFF	2009/06/03 19:03
L18	54	"4024344"	US-PGPUB; USPAT	OR	OFF	2009/06/03 19:04
L19	5	"6240189"	US-PGPUB; USPAT	OR	OFF	2009/06/03 19:04
L20	0	(381/63,98).ccls. and (wide same narrow same directiv\$6)	US-PGPUB; USPAT; EPO	OR	OFF	2009/06/03 19:07
L21	0	(381/63,98).ccls. and (wide same narrow same directiv\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/06/03 19:07
S1	4	"5953432"	US-PGPUB; USPAT	OR	OFF	2007/11/15 16:29
S2	27	"5233664"	US-PGPUB; USPAT	OR	OFF	2007/11/15 16:29
S3	0	wo-200123104-\$.did.	US-PGPUB; USPAT	OR	OFF	2007/11/15 16:30
S4	1	wo-200123104-\$.did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/11/15 16:30
S5	2	"20070165878"	US-PGPUB; USPAT; DERWENT	OR	OFF	2007/11/15 16:30
S6	165	weight\$3 and 381/104	US-PGPUB; USPAT	OR	OFF	2007/11/15 16:50
S7	20	(weight\$3 same direct \$4) and 381/104	US-PGPUB; USPAT	OR	OFF	2007/11/15 17:00
S8	16	(weight\$3 same direct \$4) and 381/335	US-PGPUB; USPAT	OR	OFF	2007/11/25 18:38
S9	345	381/89	US-PGPUB; USPAT	OR	OFF	2007/11/25 18:38
S10	14	S9 and weight\$3 and direct\$3 and delay	US-PGPUB; USPAT	OR	OFF	2007/11/25 18:39

S11	19	("20020085731"   "20030219137"   "20050129258"   "3617654"   "4308423"   "4509184"   "5043970"   "5199075"   "5253301"   "5561717"   "5657391"   "5661808"   "5677957"   "5727066"   "5862227"   "5870484"   "5949894"   "6198826"   "6363157").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/25 22:45
S12	18	381/89 and (delay same ("0" or equal))	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/25 23:41
S13	29	381/89 and (wide same direct\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/26 00:35
S14	0	381/89 and (bessel near array)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/25 23:43
S15	15	(bessel near array)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/25 23:43
S16	4	381/89 and (wide same narrow same direct\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/26 01:06
S17	16	konagai-yusuke\$.in.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/26 01:13
S18	265	381/335	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/26 01:13
S19	605	381/111	US-PGPUB; USPAT; USOCR	OR	OFF	2007/11/26 01:13
S20	0	"2001346297"	US-PGPUB; USPAT	OR	OFF	2008/05/19 14:31
S21	1	"2001346297"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/05/19 14:31
S22	2	"2004000675"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/05/19 14:32
S23	5	"6498852"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/05/19 14:33
S24	17	"5666424"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/05/19 14:33

S25	14	"5930373"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/05/19 14:33
S26	26	"4118601"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/05/19 14:33
S27	35	"3772479"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/05/19 14:34
S28	1	"20070076905"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/05/19 14:34
S29	1	"20070076905"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/05/19 14:34
S30	1	"2001025084"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/05/19 14:34
S31	1	"2000184488"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/05/19 14:35
S32	1	"2003230071"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2008/05/19 14:35
S33	29	"5233664"	US-PGPUB; USPAT	OR	OFF	2008/05/19 15:02
S34	186	381/105	US-PGPUB; USPAT	OR	OFF	2008/05/19 15:15
S35	132	S34 and direct\$6	US-PGPUB; USPAT	OR	OFF	2008/05/19 15:15
S36	601	381/77 and direct\$6	US-PGPUB; USPAT	OR	OFF	2008/05/19 15:17
S37	189	381/77 and (direct\$6 same speaker)	US-PGPUB; USPAT	OR	OFF	2008/05/19 15:18
S38	1	"20020072816"	US-PGPUB; USPAT	OR	OFF	2008/05/19 16:28

S39	30	(US-20070019831-\$ or US-20070165878-\$ or US-20060182298-\$ or US-20030219137-\$ or US-20070076905-\$ or US-20020072816-\$). did. or (US-7254239-\$ or US-7215788-\$ or US-6181796-\$ or US-5537479-\$ or US-5526456-\$ or US-5233664-\$ or US-7181033-\$ or US-6751325-\$ or US-5953432-\$ or US-5684879-\$ or US-5661808-\$ or US-5657391-\$ or US-6498852-\$ or US-5666424-\$ or US-5930373-\$ or US-4118601-\$ or US-3772479-\$ or US-6954666-\$ or US-6942248-\$ or US-6850623-\$). did. or (JP-2001346297-\$ or JP-2001025084-\$ or JP-2000184488-\$ or JP-2003230071-\$). did. or (WO-200123104-\$). did.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2008/05/27 06:24
S40	13	wide and S39	US-PGPUB; USPAT	OR	OFF	2008/05/27 06:24
S41	9	wide and narrow and S39	US-PGPUB; USPAT	OR	OFF	2008/05/27 06:24
S42	38	wide and narrow and 381/89	US-PGPUB; USPAT	OR	OFF	2008/05/27 06:28
S43	48	wide and narrow and 381/111	US-PGPUB; USPAT	OR	OFF	2008/05/27 06:35
S44	1	(381/58,59).ccls. and (wide same narrow same directiv\$6)	US-PGPUB; USPAT	OR	OFF	2008/11/12 13:47
S45	1	(381/58,59).ccls. and (wide same narrow same directiv\$6)	US-PGPUB; USPAT; EPO	OR	OFF	2008/11/12 13:48
S46	58	"381"/\$.ccls. and (wide same narrow same directiv\$6)	US-PGPUB; USPAT; EPO	OR	OFF	2008/11/12 13:49
S47	30	"5233664"	US-PGPUB; USPAT; EPO	OR	OFF	2008/11/12 14:32

S48	4	"5953432"	US-PGPUB; USPAT; EPO	OR	OFF	2008/11/12 14:32
S49	0	wo-200123104-%.did.	US-PGPUB; USPAT; EPO	OR	OFF	2008/11/12 14:33
S50	0	wo-200123104-\$.did.	US-PGPUB; USPAT; EPO	OR	OFF	2008/11/12 14:33
S51	0	wo-200123104-\$.did.	US-PGPUB; USPAT; EPO; DERWENT	OR	OFF	2008/11/12 14:33
S52	34	(US-20070019831-\$ or US-20070165878-\$ or US-20060182298-\$ or US-20030219137-\$ or US-20070076905-\$ or US-20020072816-\$ or US-20040022409-\$). did. or (US-7254239-\$ or US-7215788-\$ or US- 6181796-\$ or US- 5537479-\$ or US- 5526456-\$ or US- 5233664-\$ or US- 7181033-\$ or US- 6751325-\$ or US- 5953432-\$ or US- 5684879-\$ or US- 5661808-\$ or US- 5657391-\$ or US- 6498852-\$ or US- 5666424-\$ or US- 5930373-\$ or US- 4118601-\$ or US- 3772479-\$ or US- 6954666-\$ or US- 6942248-\$ or US- 6850623-\$ or US- 7191022-\$ or US- 5675655-\$ or US- 5793875-\$).did. or (JP- 2001346297-\$ or JP- 2001025084-\$ or JP- 2000184488-\$ or JP- 2003230071-\$).did. or (WO-200123104-\$). did.	US-PGPUB; USPAT; JPO; DERWENT	OR	OFF	2008/11/19 20:38
S53	21	S52 and delay	US-PGPUB; USPAT	OR	OFF	2008/11/19 20:38
S54	53084	speaker same level sam eangle	US-PGPUB; USPAT	OR	OFF	2009/04/08 17:12
S55	1485672	speaker same level sam angle	US-PGPUB; USPAT	OR	OFF	2009/04/08 17:12
S56	269	speaker same level same angle	US-PGPUB; USPAT	OR	OFF	2009/04/08 17:12

S57	123	"381"/\$.ccls. and S56	US-PGPUB; USPAT	OR	OFF	2009/04/08 17:12
S58	14	speaker same level same angle same attenuat\$3	US-PGPUB; USPAT	OR	OFF	2009/04/08 17:16
S59	20	"5109419"	US-PGPUB; USPAT	OR	OFF	2009/06/03 15:32
S60	27	"4118601"	US-PGPUB; USPAT	OR	OFF	2009/06/03 15:32
S61	1	"20050271230"	US-PGPUB; USPAT	OR	OFF	2009/06/03 15:34
S62	5	"6498852"	US-PGPUB; USPAT	OR	OFF	2009/06/03 15:34
S63	27	"4118601"	US-PGPUB; USPAT	OR	OFF	2009/06/03 15:35
S64	1	"20060050897"	US-PGPUB; USPAT	OR	OFF	2009/06/03 15:35

**6/ 3/ 2009 7:08:30 PM**

**C:\ Documents and Settings\ gmonikang\ My Documents\ EAST\ Workspaces\ loudspeaker array  
audio signal supply app.wsp**